1. THE SUM OF EVEN INTEGERS: The sum of the even numbers between 1 and k is 79*80, where k is an odd number, then k=?
(A) 79 (B) 80 (C) 81 (D) 157 (E) 159
2. THE PRICE OF BUSHEL: The price of a bushel of corn is currently \$3.20, and the price of a peck of wheat is \$5.80. The price of corn is increasing at a constant rate of 5x cents per day while the price of wheat is decreasing at a constant rate of 2^1/2*x-x cents per day. What is the approximate price when a bushel of corn costs the same amount as a peck of wheat?
(A) \$4.50 (B) \$5.10 (C) \$5.30 (D) \$5.50 (E) \$5.60
3. LEAP YEAR: How many randomly assembled people are needed to have a better than 50% probability that at least 1 of them was born in a leap year?
A. 1 B. 2 C. 3 D. 4 E. 5
4. ADDITION PROBLEM: AB + CD = AAA, where AB and CD are two-digit numbers and AAA is a three digit number; A, B, C, and D are distinct positive integers. In the addition problem above, what is the value of C?
(A) 1
(B) 3
(C) 7
(D) 9
(E) Cannot be determined
5. RACE: A and B ran, at their respective constant rates, a race of 480 m. In the first heat, A gives B a head start of 48 m and beats him by 1/10th of a minute. In the second heat, A gives B a head start of 144 m and is beaten by 1/30th of a minute. What is B's speed in m/s? (A) 12 (B) 14 (C) 16 (D) 18 (E) 20
6. PROBABILITY OF DRAWING:A bag contains 3 red, 4 black and 2 white balls. What is the probability of drawing a red and a white ball in two successive draws, each ball being put back after it is drawn?(A) 2/27(B) 1/9

(D) 4/27 (E) 2/9
7. THE DISTANCE BETWEEN THE CIRCLE AND THE LINE: What is the least possible distance between a point on the circle $x^2 + y^2 = 1$ and a point on the line $y = 3/4^*x - 3$?
A) 1.4 B) sqrt (2) C) 1.7 D) sqrt (3) E) 2.0
8. THE AVERAGE TEMPERATURE: The average of temperatures at noontime from Monday to Friday is 50; the lowest one is 45, what is the possible maximum range of the temperatures?
A. 20 B. 25 C. 40 D. 45 E. 75
9. PROBABILITY OF INTEGER BEING DIVISIBLE BY 8: If n is an integer from 1 to 96 (inclusive), what is the probability for n*(n+1)*(n+2) being divisible by 8?
A. 25% B 50% C 62.5% D. 72.5% E. 75%
10. SUM OF INTEGERS:
If the sum of five consecutive positive integers is A, then the sum of the next five consecutive integers in terms of A is:

(C) 1/3

A. A+1 inquiry B. A+5 C A+25 D 2A E. 5A